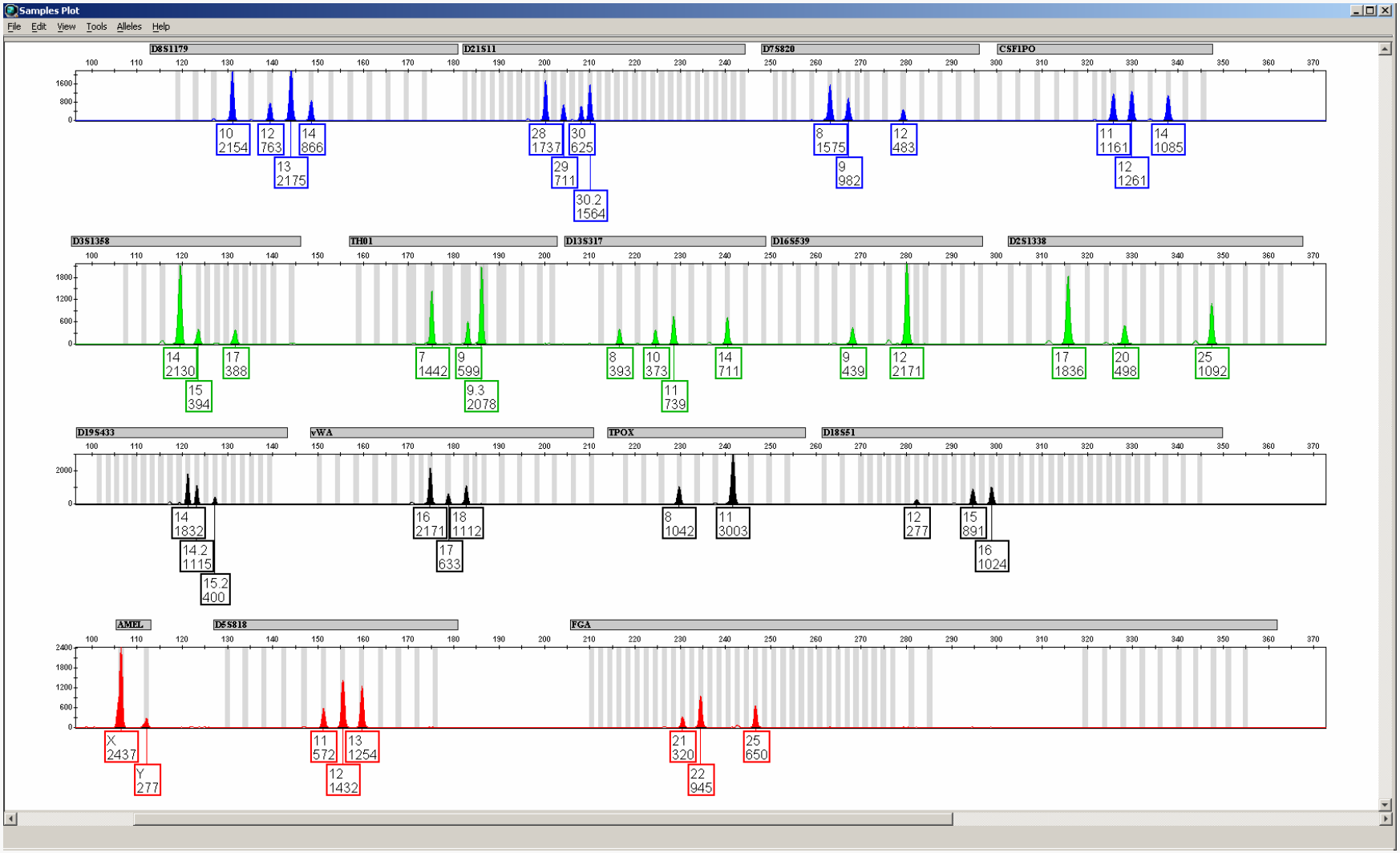
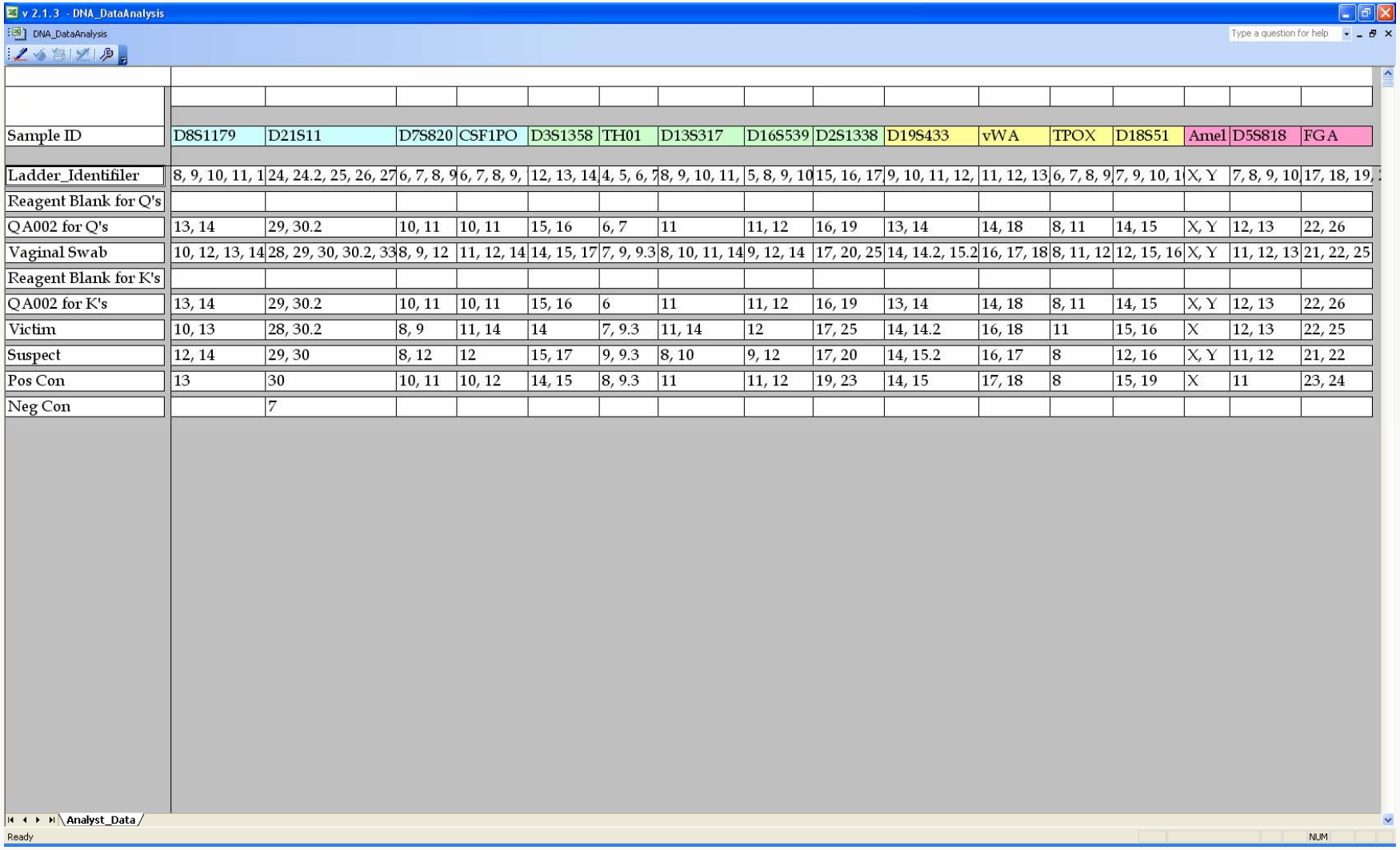
Example

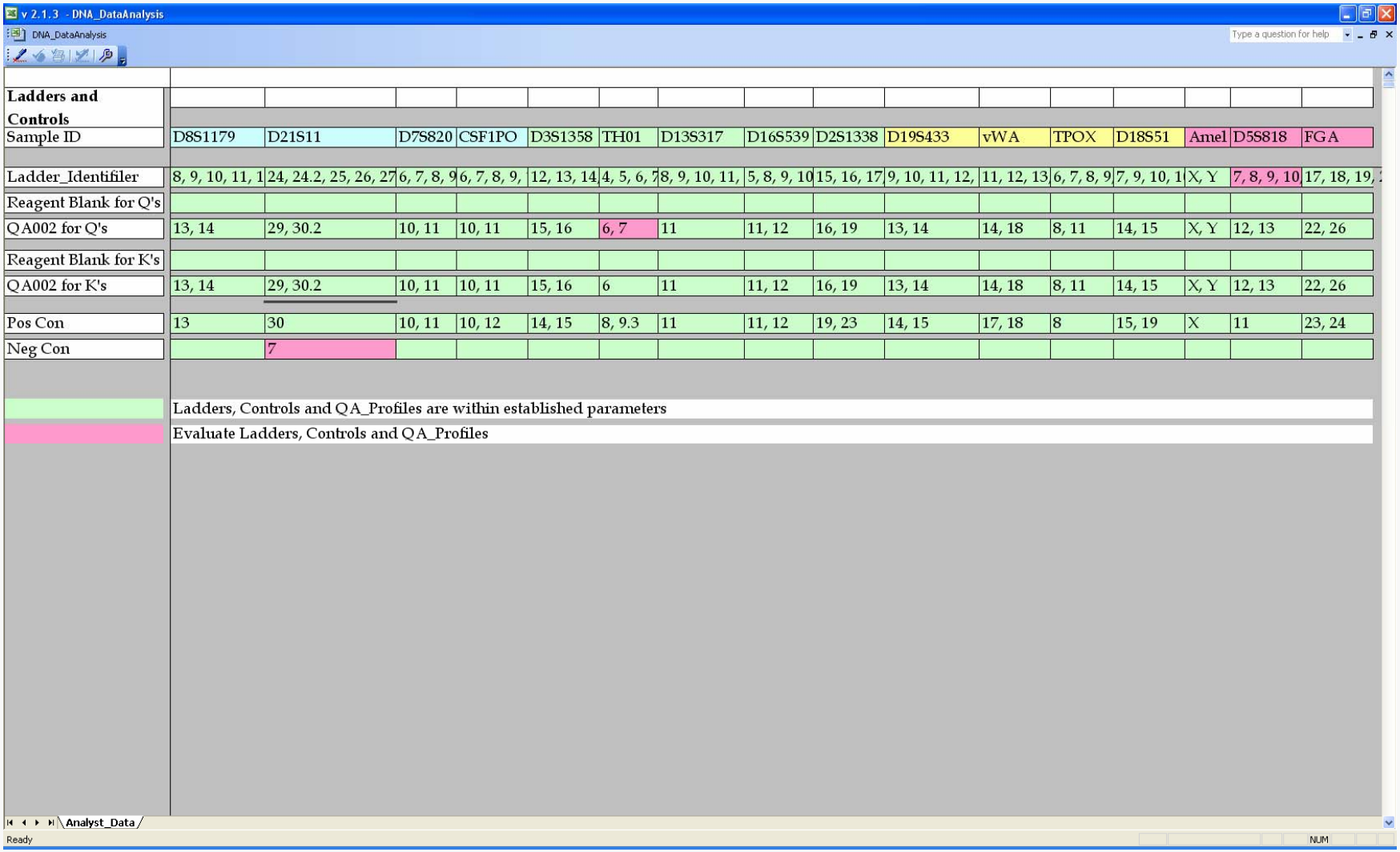

Samples Plot
File Edit View Tools Alleles Help
D8S1179
D21S11
D7S820
CSF1PO
10 2154
12 763
13 2175
14 866
28 1737
29 711
30.2 1564
30 625
8 1575
9 982
12 483
11 1161
12 1261
14 1085
D3S1358
TH01
D13S317
D16S539
D2S1338
14 2130
15 394
17 388
7 1442
9 599
9.3 2078
8 393
10 373
11 739
14 711
9 439
12 2171
17 1836
20 498
25 1092
D19S433
vWA
TPOX
D18S51
14 1832
14.2 1115
15.2 400
16 2171
17 633
18 1112
8 1042
11 3003
12 277
15 891
16 1024
AMEL
D5S818
FGA
X 2437
Y 277
11 572
12 1432
13 1254
21 320
22 945
25 650

Main Screen View

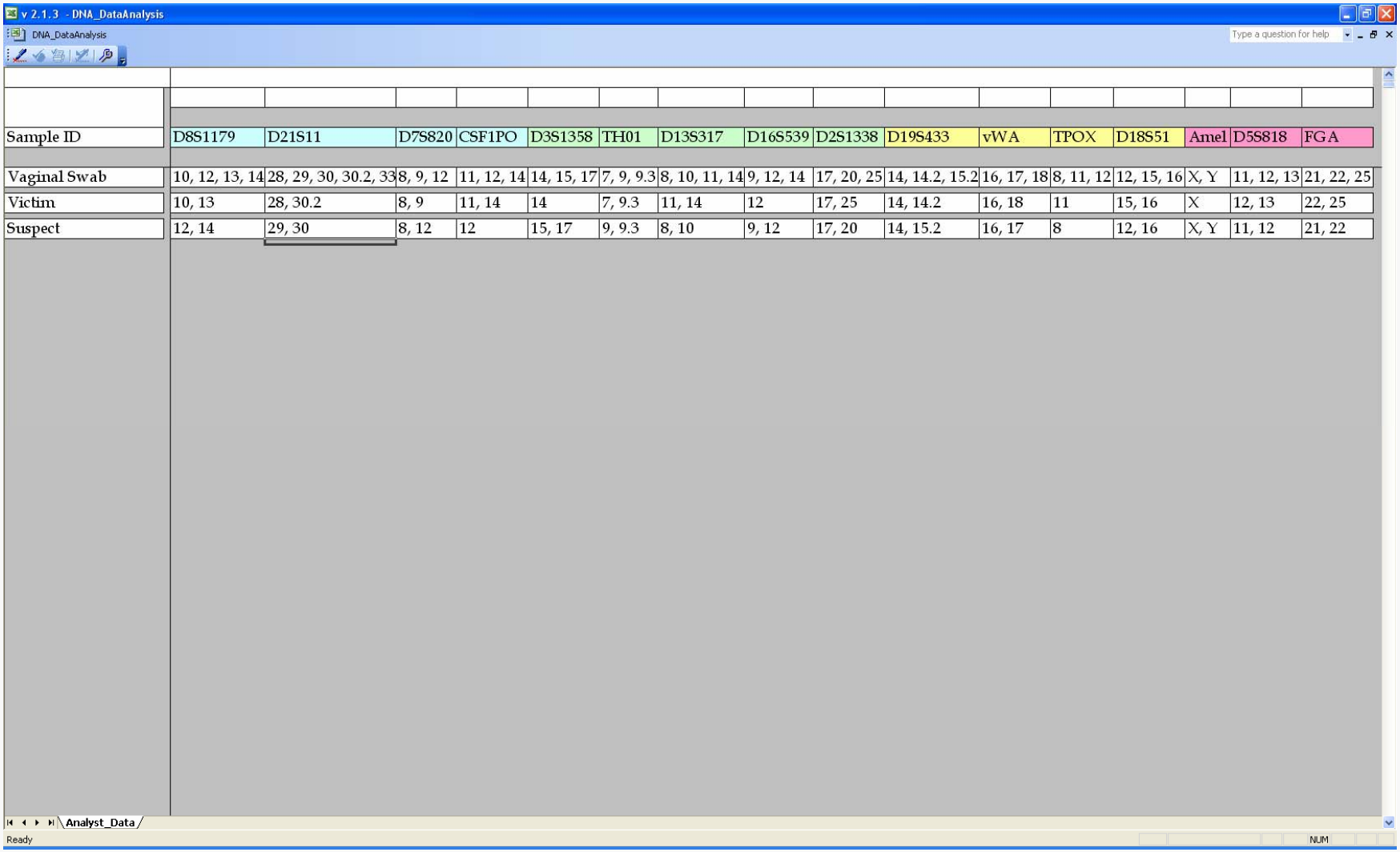


Sample ID	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	Amel	D5S818	FGA
Ladder_Identifiler	8, 9, 10, 11, 1	24, 24.2, 25, 26, 27	6, 7, 8, 9	6, 7, 8, 9,	12, 13, 14	4, 5, 6, 7	8, 9, 10, 11,	5, 8, 9, 10	15, 16, 17	9, 10, 11, 12,	11, 12, 13	6, 7, 8, 9	7, 9, 10, 1	X, Y	7, 8, 9, 10	17, 18, 19,
Reagent Blank for Q's																
QA002 for Q's	13, 14	29, 30.2	10, 11	10, 11	15, 16	6, 7	11	11, 12	16, 19	13, 14	14, 18	8, 11	14, 15	X, Y	12, 13	22, 26
Vaginal Swab	10, 12, 13, 14	28, 29, 30, 30.2, 33	8, 9, 12	11, 12, 14	14, 15, 17	7, 9, 9.3	8, 10, 11, 14	9, 12, 14	17, 20, 25	14, 14.2, 15.2	16, 17, 18	8, 11, 12	12, 15, 16	X, Y	11, 12, 13	21, 22, 25
Reagent Blank for K's																
QA002 for K's	13, 14	29, 30.2	10, 11	10, 11	15, 16	6	11	11, 12	16, 19	13, 14	14, 18	8, 11	14, 15	X, Y	12, 13	22, 26
Victim	10, 13	28, 30.2	8, 9	11, 14	14	7, 9.3	11, 14	12	17, 25	14, 14.2	16, 18	11	15, 16	X	12, 13	22, 25
Suspect	12, 14	29, 30	8, 12	12	15, 17	9, 9.3	8, 10	9, 12	17, 20	14, 15.2	16, 17	8	12, 16	X, Y	11, 12	21, 22
Pos Con	13	30	10, 11	10, 12	14, 15	8, 9.3	11	11, 12	19, 23	14, 15	17, 18	8	15, 19	X	11	23, 24
Neg Con		7														

QA Check

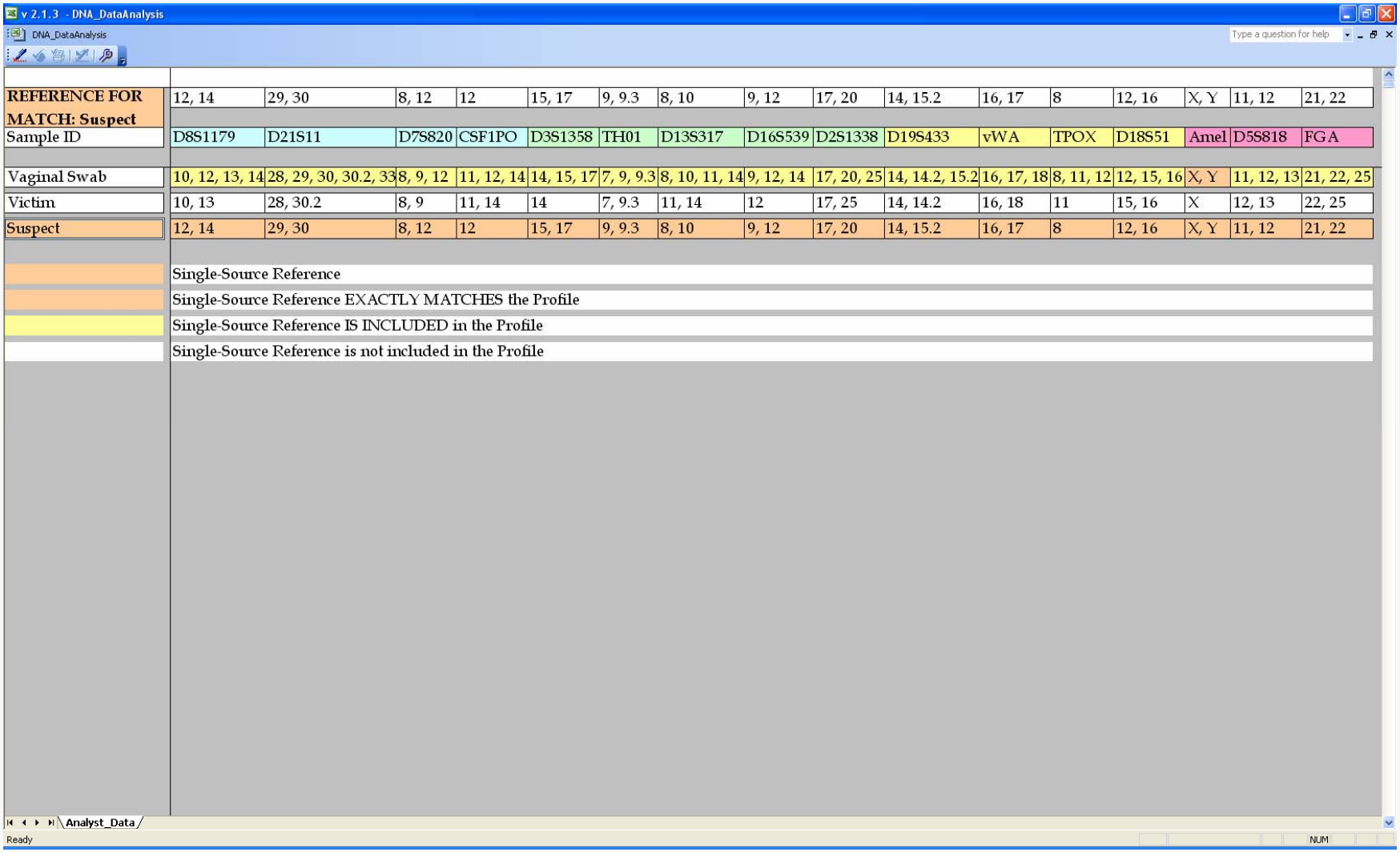

v 2.1.3 - DNA_DataAnalysis
DNA_DataAnalysis
Type a question for help
Ladders and Controls
Sample ID
D8S1179
D21S11
D7S820
CSF1PO
D3S1358
TH01
D13S317
D16S539
D2S1338
D19S433
vWA
TPOX
D18S51
Amel
D5S818
FGA
Ladder_Identifiler
8, 9, 10, 11, 1
24, 24.2, 25, 26, 27
6, 7, 8, 9
6, 7, 8, 9,
12, 13, 14
4, 5, 6, 7
8, 9, 10, 11,
5, 8, 9, 10
15, 16, 17
9, 10, 11, 12,
11, 12, 13
6, 7, 8, 9
7, 9, 10, 1
X, Y
7, 8, 9, 10
17, 18, 19,
Reagent Blank for Q's
QA002 for Q's
13, 14
29, 30.2
10, 11
10, 11
15, 16
6, 7
11
11, 12
16, 19
13, 14
14, 18
8, 11
14, 15
X, Y
12, 13
22, 26
Reagent Blank for K's
QA002 for K's
13, 14
29, 30.2
10, 11
10, 11
15, 16
6
11
11, 12
16, 19
13, 14
14, 18
8, 11
14, 15
X, Y
12, 13
22, 26
Pos Con
13
30
10, 11
10, 12
14, 15
8, 9.3
11
11, 12
19, 23
14, 15
17, 18
8
15, 19
X
11
23, 24
Neg Con
7
Ladders, Controls and QA_Profiles are within established parameters
Evaluate Ladders, Controls and QA_Profiles
Analyst_Data
Ready
NUM

Samples View



Sample ID	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	Amel	D5S818	FGA
Vaginal Swab	10, 12, 13, 14	28, 29, 30, 30.2, 33	8, 9, 12	11, 12, 14	14, 15, 17	7, 9, 9.3	8, 10, 11, 14	9, 12, 14	17, 20, 25	14, 14.2, 15.2	16, 17, 18	8, 11, 12	12, 15, 16	X, Y	11, 12, 13	21, 22, 25
Victim	10, 13	28, 30.2	8, 9	11, 14	14	7, 9.3	11, 14	12	17, 25	14, 14.2	16, 18	11	15, 16	X	12, 13	22, 25
Suspect	12, 14	29, 30	8, 12	12	15, 17	9, 9.3	8, 10	9, 12	17, 20	14, 15.2	16, 17	8	12, 16	X, Y	11, 12	21, 22

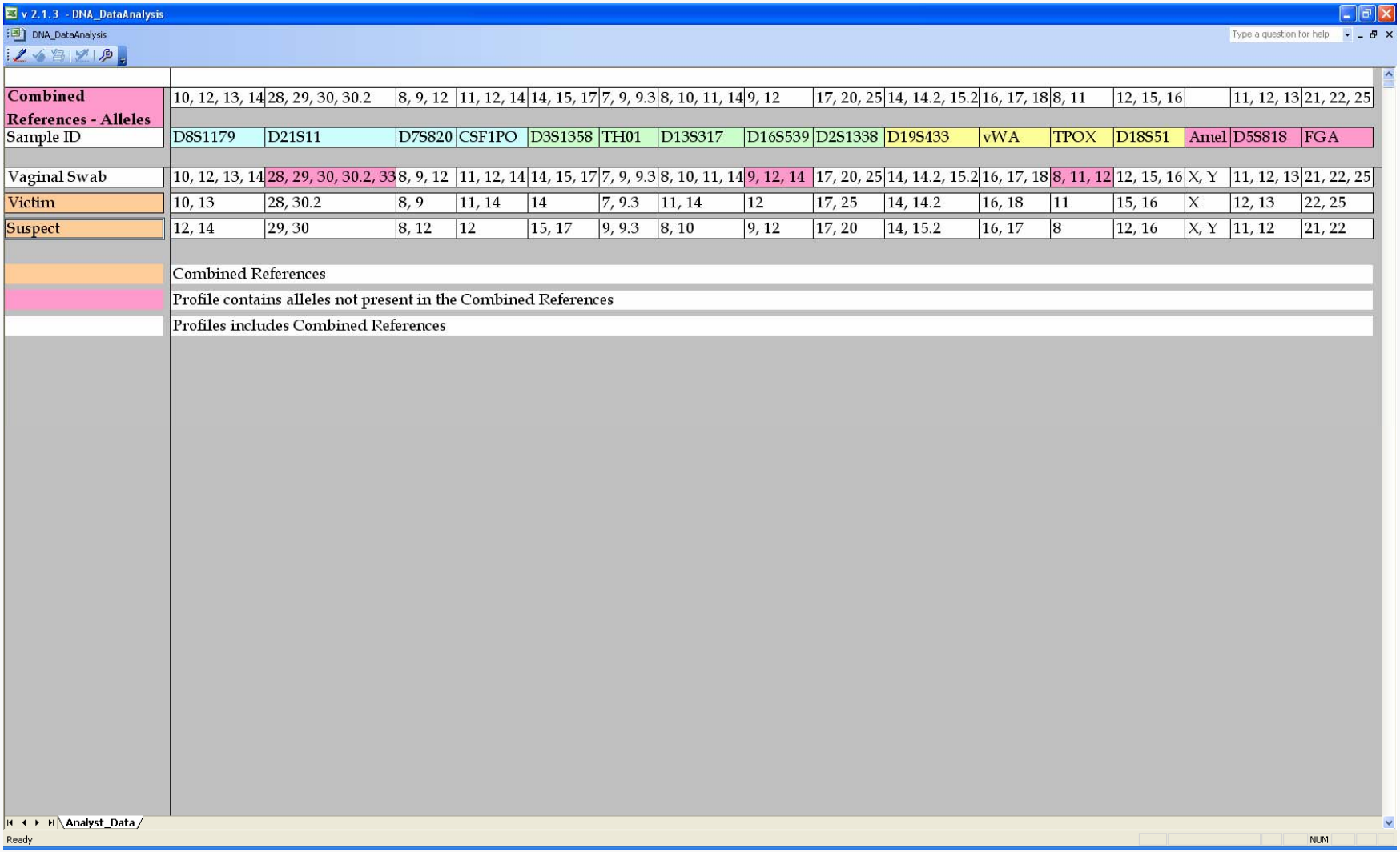
Matching View



REFERENCE FOR MATCH: Suspect	12, 14	29, 30	8, 12	12	15, 17	9, 9.3	8, 10	9, 12	17, 20	14, 15.2	16, 17	8	12, 16	X, Y	11, 12	21, 22
Sample ID	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	Amel	D5S818	FGA
Vaginal Swab	10, 12, 13, 14	28, 29, 30, 30.2, 33	8, 9, 12	11, 12, 14	14, 15, 17	7, 9, 9.3	8, 10, 11, 14	9, 12, 14	17, 20, 25	14, 14.2, 15.2	16, 17, 18	8, 11, 12	12, 15, 16	X, Y	11, 12, 13	21, 22, 25
Victim	10, 13	28, 30.2	8, 9	11, 14	14	7, 9.3	11, 14	12	17, 25	14, 14.2	16, 18	11	15, 16	X	12, 13	22, 25
Suspect	12, 14	29, 30	8, 12	12	15, 17	9, 9.3	8, 10	9, 12	17, 20	14, 15.2	16, 17	8	12, 16	X, Y	11, 12	21, 22

	Single-Source Reference
	Single-Source Reference EXACTLY MATCHES the Profile
	Single-Source Reference IS INCLUDED in the Profile
	Single-Source Reference is not included in the Profile

Foreign Allele View



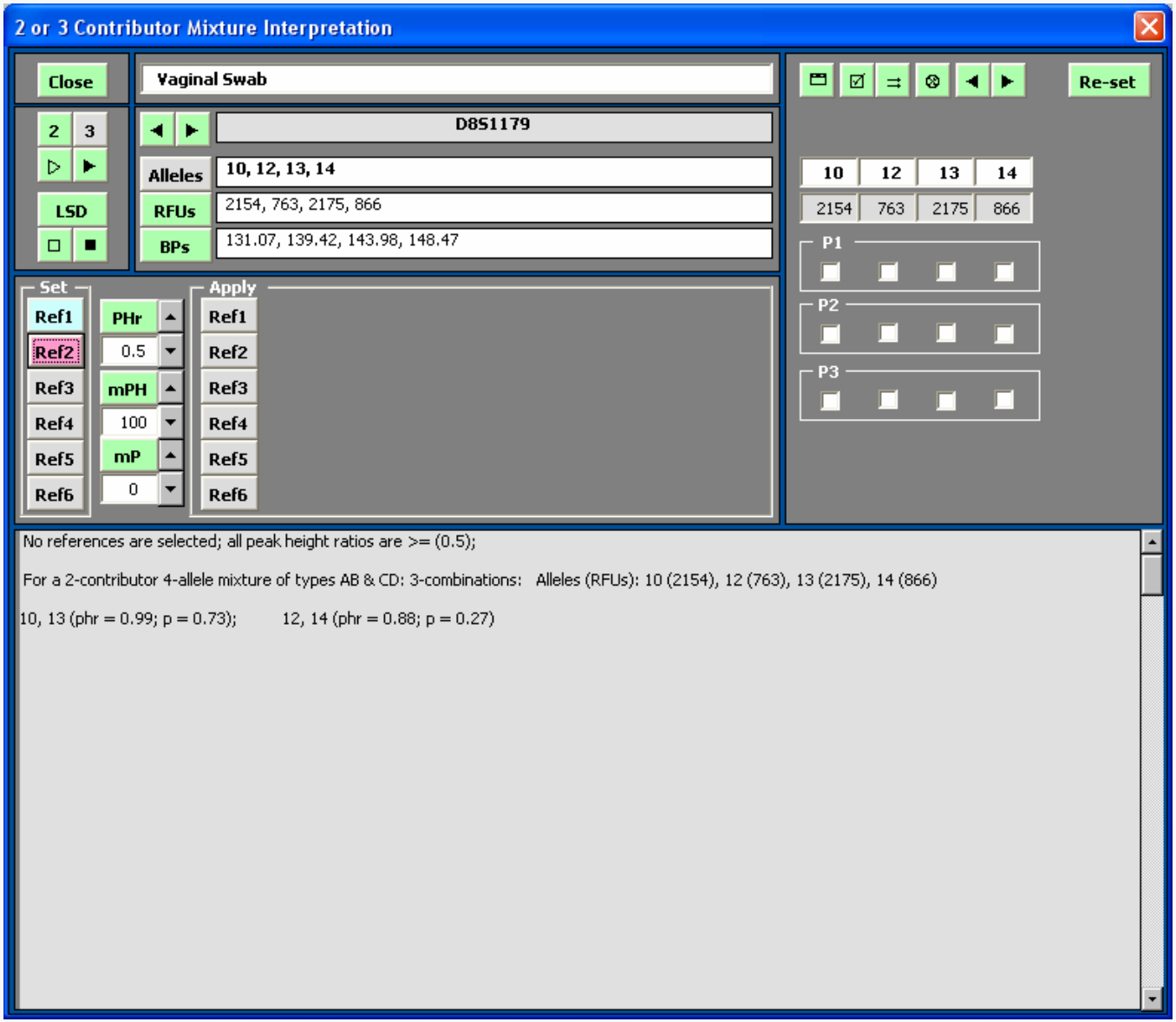
Combined References - Alleles	10, 12, 13, 14	28, 29, 30, 30.2	8, 9, 12	11, 12, 14	14, 15, 17	7, 9, 9.3	8, 10, 11, 14	9, 12	17, 20, 25	14, 14.2, 15.2	16, 17, 18	8, 11	12, 15, 16		11, 12, 13	21, 22, 25
Sample ID	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	Amel	D5S818	FGA
Vaginal Swab	10, 12, 13, 14	28, 29, 30, 30.2, 33	8, 9, 12	11, 12, 14	14, 15, 17	7, 9, 9.3	8, 10, 11, 14	9, 12, 14	17, 20, 25	14, 14.2, 15.2	16, 17, 18	8, 11, 12	12, 15, 16	X, Y	11, 12, 13	21, 22, 25
Victim	10, 13	28, 30.2	8, 9	11, 14	14	7, 9.3	11, 14	12	17, 25	14, 14.2	16, 18	11	15, 16	X	12, 13	22, 25
Suspect	12, 14	29, 30	8, 12	12	15, 17	9, 9.3	8, 10	9, 12	17, 20	14, 15.2	16, 17	8	12, 16	X, Y	11, 12	21, 22

Combined References

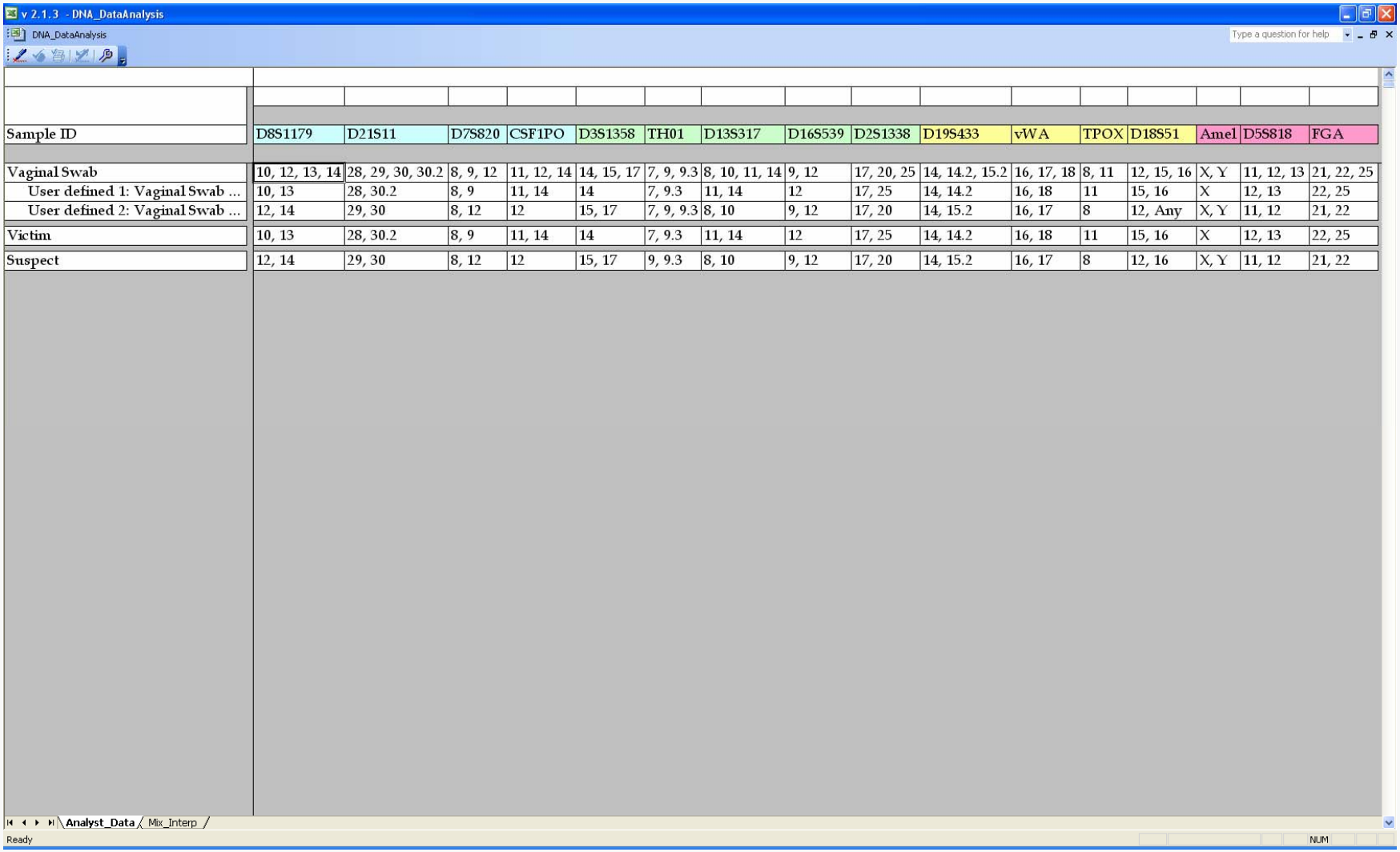
Profile contains alleles not present in the Combined References

Profiles includes Combined References

Mixture Interpretation Tool

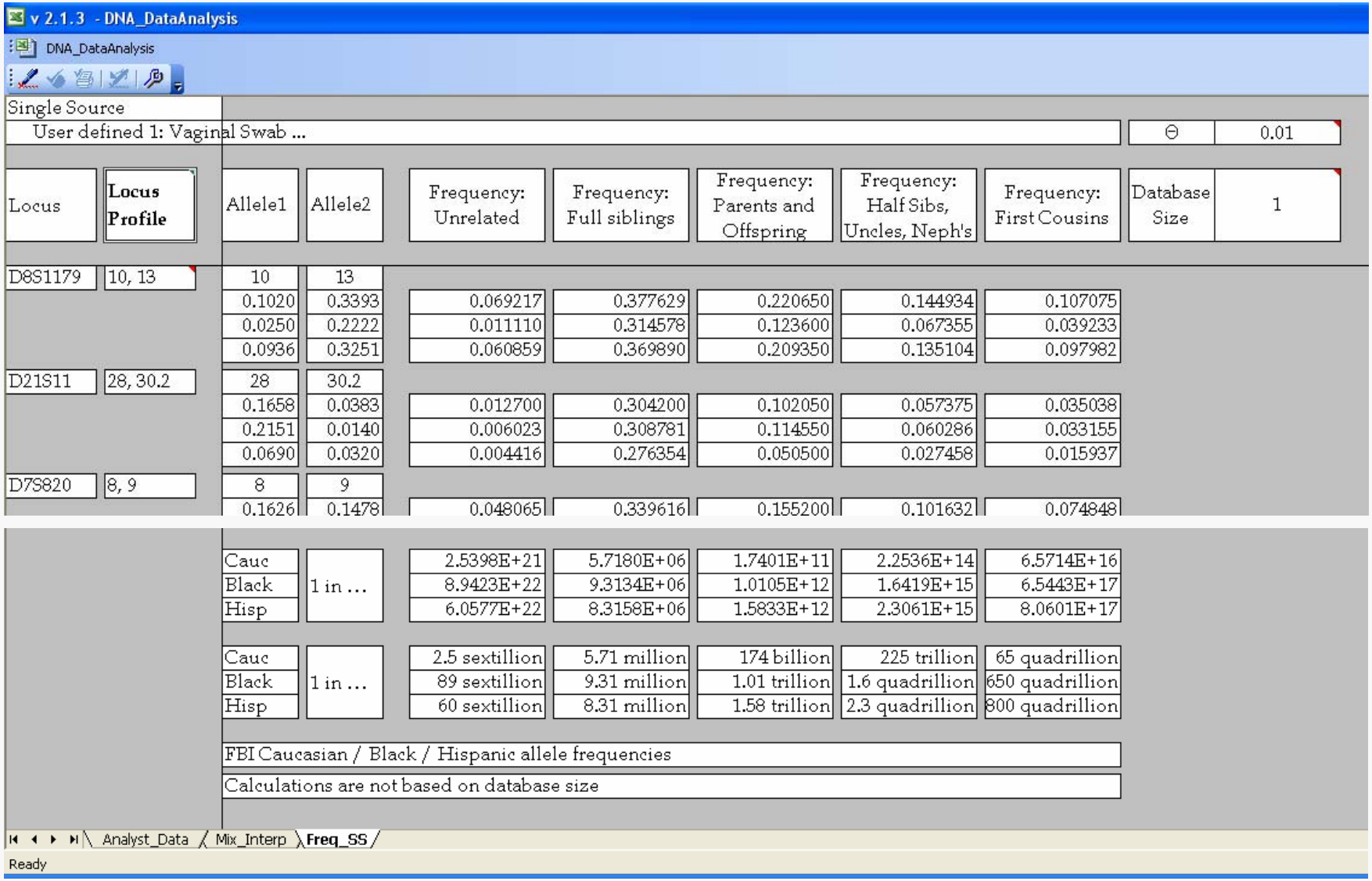


User Deconvoluted Profiles Added



Sample ID	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	Amel	D5S818	FGA
Vaginal Swab	10, 12, 13, 14	28, 29, 30, 30.2	8, 9, 12	11, 12, 14	14, 15, 17	7, 9, 9.3	8, 10, 11, 14	9, 12	17, 20, 25	14, 14.2, 15.2	16, 17, 18	8, 11	12, 15, 16	X, Y	11, 12, 13	21, 22, 25
User defined 1: Vaginal Swab ...	10, 13	28, 30.2	8, 9	11, 14	14	7, 9.3	11, 14	12	17, 25	14, 14.2	16, 18	11	15, 16	X	12, 13	22, 25
User defined 2: Vaginal Swab ...	12, 14	29, 30	8, 12	12	15, 17	7, 9, 9.3	8, 10	9, 12	17, 20	14, 15.2	16, 17	8	12, Any	X, Y	11, 12	21, 22
Victim	10, 13	28, 30.2	8, 9	11, 14	14	7, 9.3	11, 14	12	17, 25	14, 14.2	16, 18	11	15, 16	X	12, 13	22, 25
Suspect	12, 14	29, 30	8, 12	12	15, 17	9, 9.3	8, 10	9, 12	17, 20	14, 15.2	16, 17	8	12, 16	X, Y	11, 12	21, 22

Single Source Stats



v 2.1.3 - DNA_DataAnalysis

DNA_DataAnalysis

Single Source

User defined 1: Vaginal Swab ...

									Θ	0.01
Locus	**Locus Profile**	Allele1	Allele2	Frequency: Unrelated	Frequency: Full siblings	Frequency: Parents and Offspring	Frequency: Half Sibs, Uncles, Neph's	Frequency: First Cousins	Database Size	1
D8S1179	10, 13	10	13							
		0.1020	0.3393	0.069217	0.377629	0.220650	0.144934	0.107075		
		0.0250	0.2222	0.011110	0.314578	0.123600	0.067355	0.039233		
		0.0936	0.3251	0.060859	0.369890	0.209350	0.135104	0.097982		
D21S11	28, 30.2	28	30.2							
		0.1658	0.0383	0.012700	0.304200	0.102050	0.057375	0.035038		
		0.2151	0.0140	0.006023	0.308781	0.114550	0.060286	0.033155		
		0.0690	0.0320	0.004416	0.276354	0.050500	0.027458	0.015937		
D7S820	8, 9	8	9							
		0.1626	0.1478	0.048065	0.339616	0.155200	0.101632	0.074848		
		Cauc	1 in ...	2.5398E+21	5.7180E+06	1.7401E+11	2.2536E+14	6.5714E+16		
		Black		8.9423E+22	9.3134E+06	1.0105E+12	1.6419E+15	6.5443E+17		
		Hisp		6.0577E+22	8.3158E+06	1.5833E+12	2.3061E+15	8.0601E+17		
		Cauc	1 in ...	2.5 sextillion	5.71 million	174 billion	225 trillion	65 quadrillion		
		Black		89 sextillion	9.31 million	1.01 trillion	1.6 quadrillion	650 quadrillion		
		Hisp		60 sextillion	8.31 million	1.58 trillion	2.3 quadrillion	800 quadrillion		

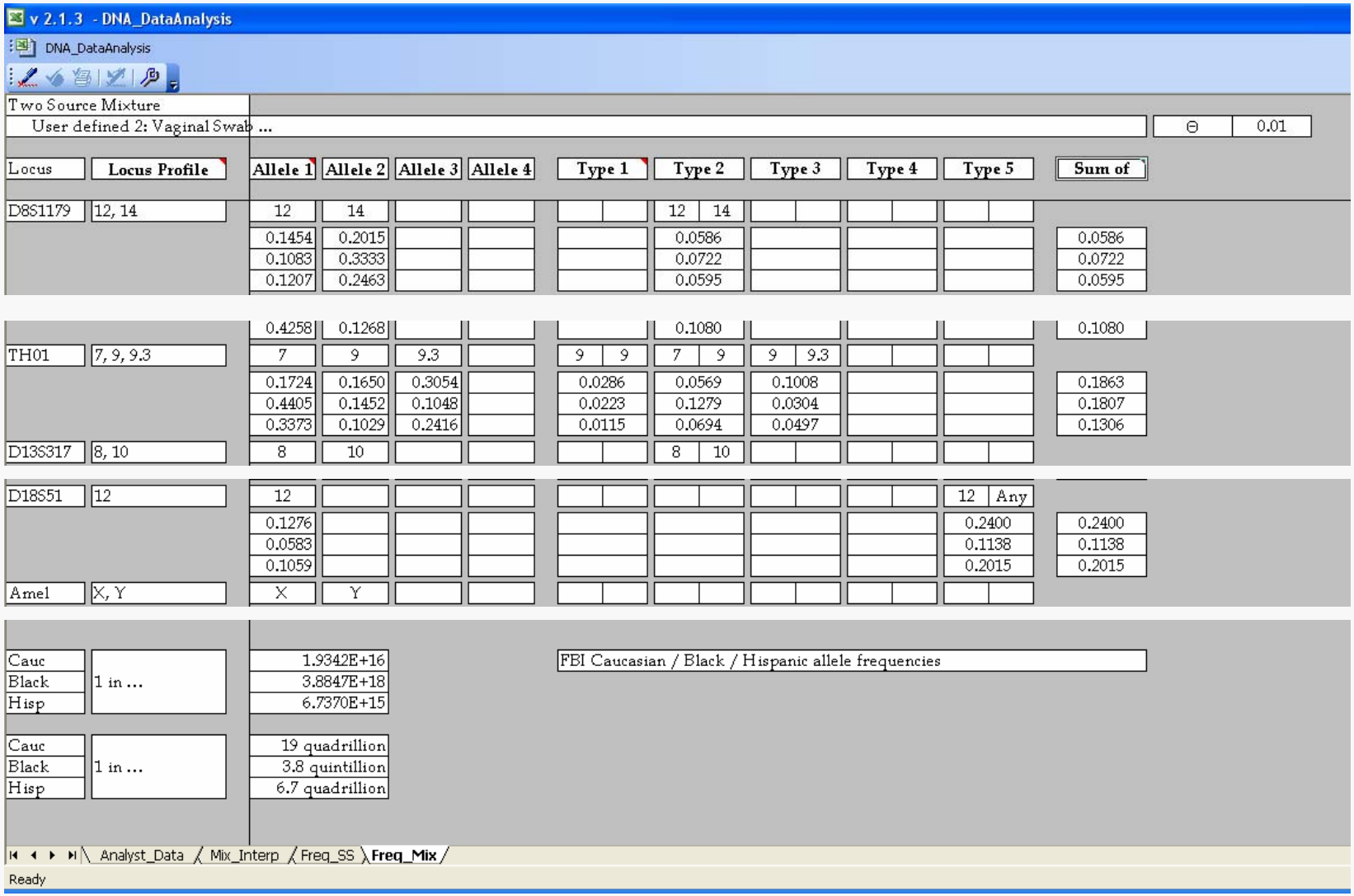
FBI Caucasian / Black / Hispanic allele frequencies

Calculations are not based on database size

Analyst_Data | Mix_Interp | Freq_SS

Ready

Mixture Stats



v 2.1.3 - DNA_DataAnalysis

DNA_DataAnalysis

Two Source Mixture

User defined 2: Vaginal Swab ...

Θ 0.01

Locus	Locus Profile	Allele 1	Allele 2	Allele 3	Allele 4	Type 1	Type 2	Type 3	Type 4	Type 5	Sum of
D8S1179	12, 14	12	14				12 14				
		0.1454	0.2015				0.0586				0.0586
		0.1083	0.3333				0.0722				0.0722
		0.1207	0.2463				0.0595				0.0595
		0.4258	0.1268				0.1080				0.1080
TH01	7, 9, 9.3	7	9	9.3		9 9	7 9	9 9.3			
		0.1724	0.1650	0.3054		0.0286	0.0569	0.1008			0.1863
		0.4405	0.1452	0.1048		0.0223	0.1279	0.0304			0.1807
		0.3373	0.1029	0.2416		0.0115	0.0694	0.0497			0.1306
D13S317	8, 10	8	10				8 10				
D18S51	12	12								12 Any	
		0.1276								0.2400	0.2400
		0.0583								0.1138	0.1138
		0.1059								0.2015	0.2015
Amel	X, Y	X	Y								

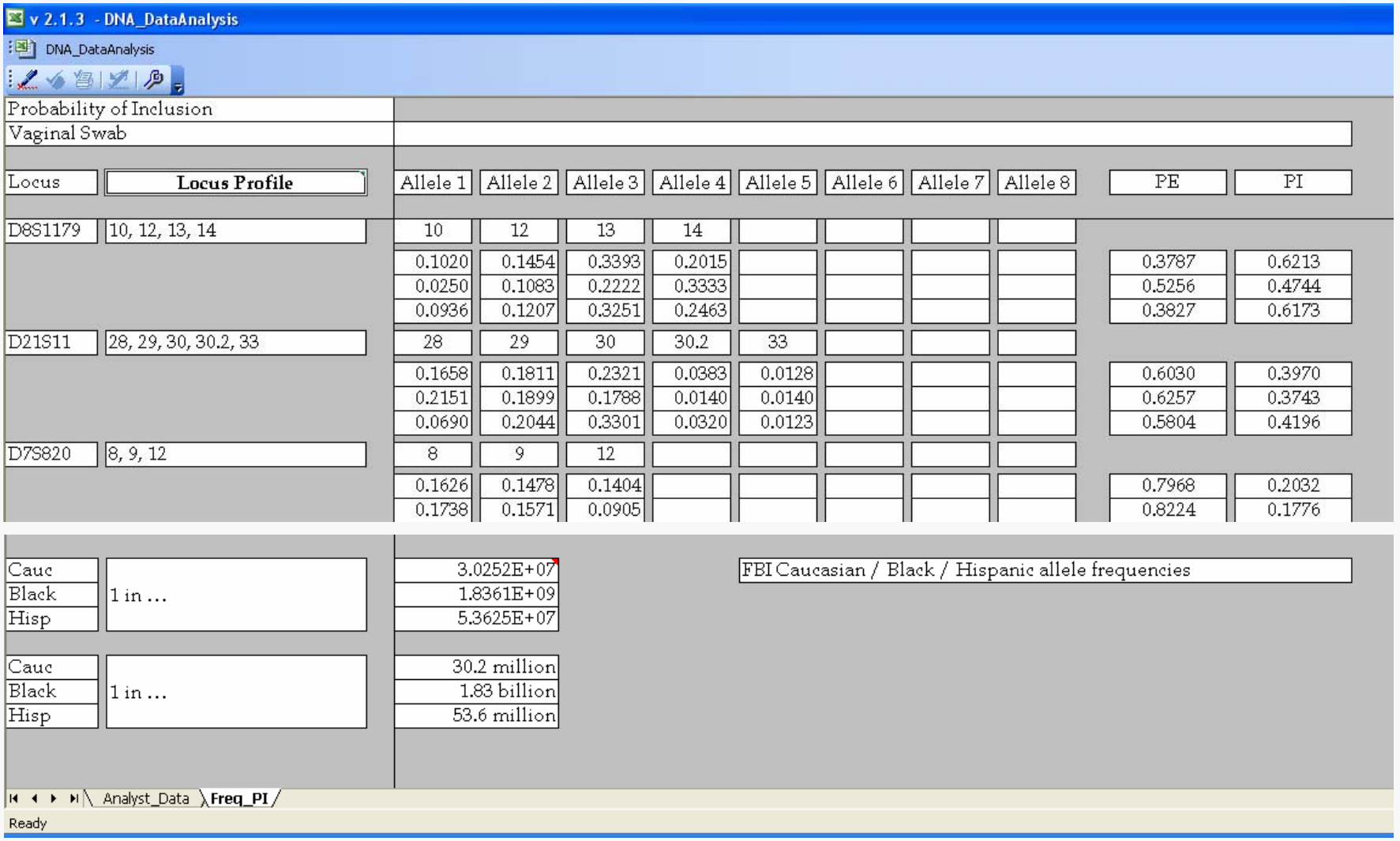
Cauc	1 in ...	1.9342E+16
Black		3.8847E+18
Hisp		6.7370E+15
Cauc	1 in ...	19 quadrillion
Black		3.8 quintillion
Hisp		6.7 quadrillion

FBI Caucasian / Black / Hispanic allele frequencies

Analyst_Data | Mix_Interp | Freq_SS | Freq_Mix

Ready

CPI Stats



v 2.1.3 - DNA_DataAnalysis

DNA_DataAnalysis

Probability of Inclusion

Vaginal Swab

Locus	Locus Profile	Allele 1	Allele 2	Allele 3	Allele 4	Allele 5	Allele 6	Allele 7	Allele 8	PE	PI
D8S1179	10, 12, 13, 14	10	12	13	14						
		0.1020	0.1454	0.3393	0.2015					0.3787	0.6213
		0.0250	0.1083	0.2222	0.3333					0.5256	0.4744
		0.0936	0.1207	0.3251	0.2463					0.3827	0.6173
D21S11	28, 29, 30, 30.2, 33	28	29	30	30.2	33					
		0.1658	0.1811	0.2321	0.0383	0.0128				0.6030	0.3970
		0.2151	0.1899	0.1788	0.0140	0.0140				0.6257	0.3743
		0.0690	0.2044	0.3301	0.0320	0.0123				0.5804	0.4196
D7S820	8, 9, 12	8	9	12							
		0.1626	0.1478	0.1404						0.7968	0.2032
		0.1738	0.1571	0.0905						0.8224	0.1776

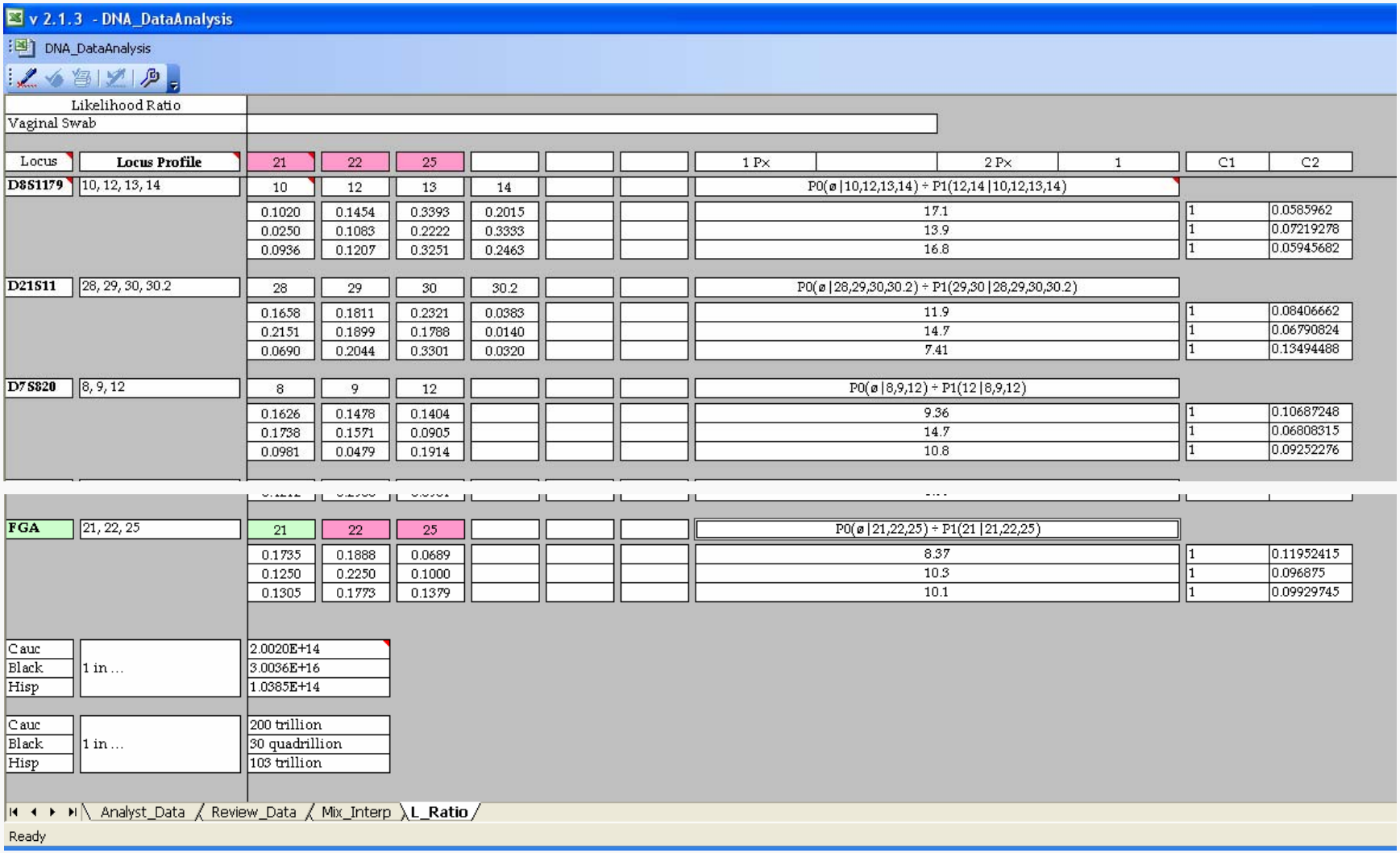
Cauc	1 in ...	3.0252E+07
Black		1.8361E+09
Hisp		5.3625E+07
Cauc	1 in ...	30.2 million
Black		1.83 billion
Hisp		53.6 million

FBI Caucasian / Black / Hispanic allele frequencies

Analyst_Data | Freq_PI

Ready

LR Stats



v 2.1.3 - DNA_DataAnalysis

DNA_DataAnalysis

Likelihood Ratio

Vaginal Swab

Locus	Locus Profile	21	22	25				1 Px		2 Px	1	C1	C2
D8S1179	10, 12, 13, 14	10	12	13	14			P0(ø | 10,12,13,14) ÷ P1(12,14 | 10,12,13,14)					
		0.1020	0.1454	0.3393	0.2015			17.1				1	0.0585962
		0.0250	0.1083	0.2222	0.3333			13.9				1	0.07219278
		0.0936	0.1207	0.3251	0.2463			16.8				1	0.05945682
D21S11	28, 29, 30, 30.2	28	29	30	30.2			P0(ø | 28,29,30,30.2) ÷ P1(29,30 | 28,29,30,30.2)					
		0.1658	0.1811	0.2321	0.0383			11.9				1	0.08406662
		0.2151	0.1899	0.1788	0.0140			14.7				1	0.06790824
		0.0690	0.2044	0.3301	0.0320			7.41				1	0.13494488
D7S820	8, 9, 12	8	9	12				P0(ø | 8,9,12) ÷ P1(12 | 8,9,12)					
		0.1626	0.1478	0.1404				9.36				1	0.10687248
		0.1738	0.1571	0.0905				14.7				1	0.06808315
		0.0981	0.0479	0.1914				10.8				1	0.09252276
FGA	21, 22, 25	21	22	25				P0(ø | 21,22,25) ÷ P1(21 | 21,22,25)					
		0.1735	0.1888	0.0689				8.37				1	0.11952415
		0.1250	0.2250	0.1000				10.3				1	0.096875
		0.1305	0.1773	0.1379				10.1				1	0.09929745

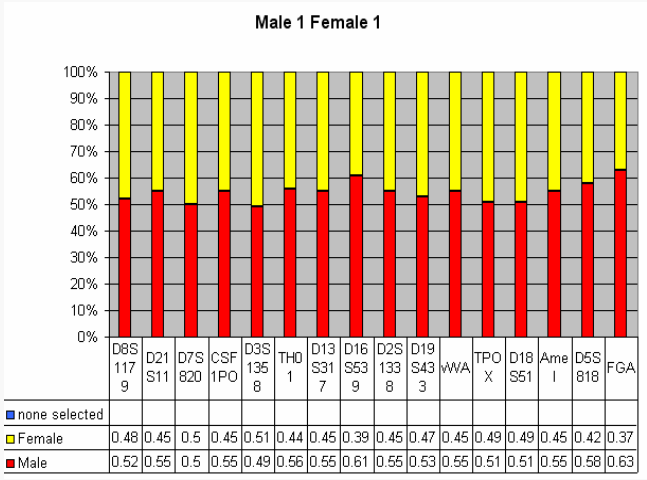
Cauc	1 in …	2.0020E+14
Black		3.0036E+16
Hisp		1.0385E+14

Cauc	1 in …	200 trillion
Black		30 quadrillion
Hisp		103 trillion

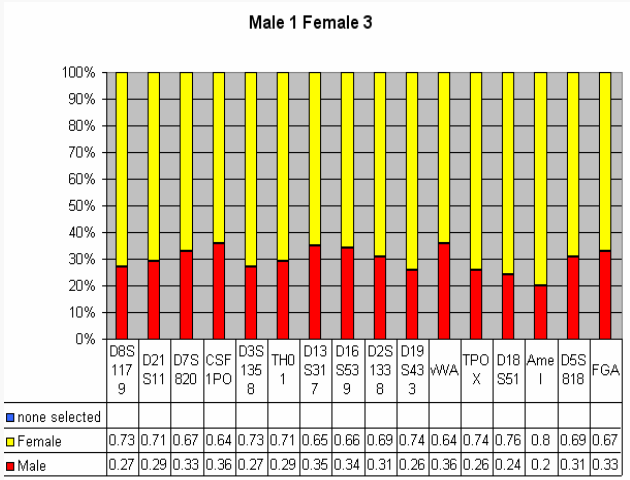
Analyst_Data | Review_Data | Mix_Interp | L_Ratio

Ready

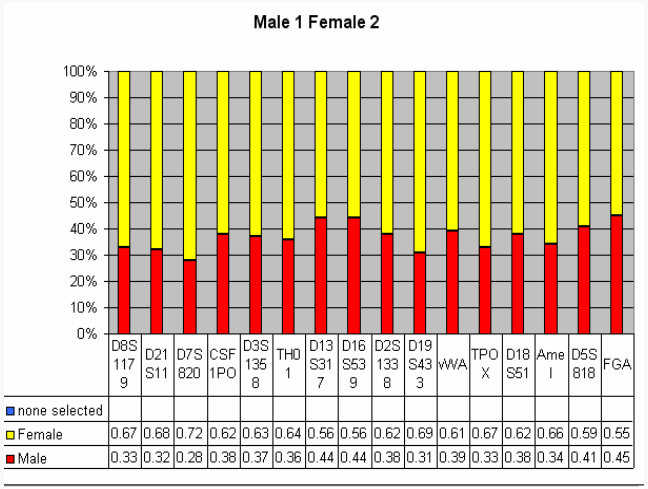
Male + Female: 1:1, 1:2, 1:3, 1:10



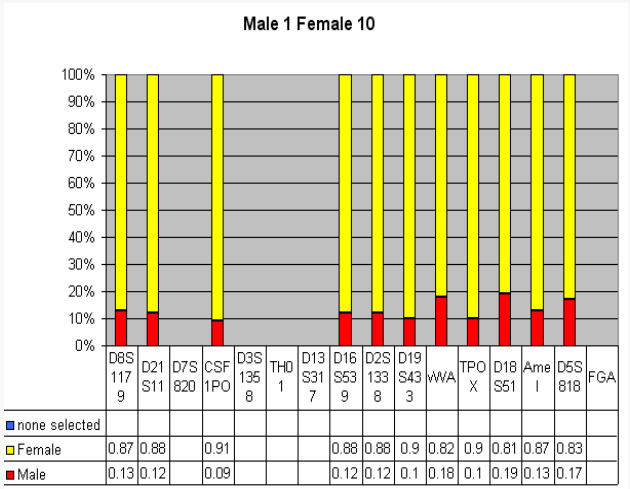
	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	Amel	D5S818	FGA
none selected																
Female	0.48	0.45	0.5	0.45	0.51	0.44	0.45	0.39	0.45	0.47	0.45	0.49	0.49	0.45	0.42	0.37
Male	0.52	0.55	0.5	0.55	0.49	0.56	0.55	0.61	0.55	0.53	0.55	0.51	0.51	0.55	0.58	0.63



	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	Amel	D5S818	FGA
none selected																
Female	0.73	0.71	0.67	0.64	0.73	0.71	0.65	0.66	0.69	0.74	0.64	0.74	0.76	0.8	0.69	0.67
Male	0.27	0.29	0.33	0.36	0.27	0.29	0.35	0.34	0.31	0.26	0.36	0.26	0.24	0.2	0.31	0.33



	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	Amel	D5S818	FGA
none selected																
Female	0.67	0.68	0.72	0.62	0.63	0.64	0.56	0.56	0.62	0.69	0.61	0.67	0.62	0.66	0.59	0.55
Male	0.33	0.32	0.28	0.38	0.37	0.36	0.44	0.44	0.38	0.31	0.39	0.33	0.38	0.34	0.41	0.45



	D8S1179	D21S11	D7S820	CSF1PO	D3S1358	TH01	D13S317	D16S539	D2S1338	D19S433	vWA	TPOX	D18S51	Amel	D5S818	FGA
none selected																
Female	0.87	0.88		0.91				0.88	0.88	0.9	0.82	0.9	0.81	0.87	0.83	
Male	0.13	0.12		0.09				0.12	0.12	0.1	0.18	0.1	0.19	0.13	0.17	